

Submit within 45 days of well completion

State of New Mexico

Energy, Minerals and Natural Resources

Oil Conservation Division

1220 S. St Francis Dr.

Santa Fe, NM 87505

Revised November 6, 2013

1. Well API NO:
30-015-42208

2. Well Name:
HORNSBY 35 FEDERAL COM #003H

3. Well Number:
003H

4. Surface Hole Location:
Unit:4 Lot:4 Section:35 Township:26S Range:27E
Feet from:210 N/S Line:S
Feet from:1310 E/W Line:W

5. Bottom Hole Location:
Unit:4 Lot:4 Section:35 Township:26S Range:27E
Feet from:210 N/S Line:S
Feet from:1310 E/W Line:W

6. latitude:
32.0005590090441 longitude:
-104.165098754372

7. County:
Eddy

8. Operator Name and Address:
CIMAREX ENERGY CO.
600 N MARIENFELD STREET
SUITE 600
MIDLAND 79701

9. OGRID:
215099

10. Phone Number:

11. Last Fracture Date: 10/31/2014 Frac Performed by: Schlumberger

12. Production Type:
O

13. Pool Code(s):
30215

14. Gross Fractured Interval:
9,901 ft to 10,175 ft

15. True Vertical Depth (TVD):
10,175 ft

16. Total Volume of Fluid Pumped:
9,184,538 gals

17. Total Volume of Re-Use Water Pumped:
N/A

18. Percent of Re-Use Water in Fluid Pumped:
Not Disclosed

19. HYDRAULIC FLUID COMPOSITION AND CONCENTRATION:

Trade Name	Supplier	Purpose	Ingredients	(CAS #) Chemical Abstract Service #	Maximum Ingredient Concentration in Additive (% by mass)	Maximum Ingredient Concentration in HF Fluid (% by mass)			
WF115, Slickwater	Schlumberger	Surfactant , Breaker, Gelling Agent, Friction Reducer, Clay Control Agent, Propping Agent	Water (Including Mix Water Supplied by Client)	NA		0%			
			Crystalline silica	14808-60-7	97.6522%	9.86294%			
			2-hydroxy-N,N,N-trimethylethanaminium chloride	67-48-1	0.7175%	0.07247%			
			Guar gum	9000-30-0	0.29555%	0.02985%			
			Ammonium sulfate	7783-20-2	0.21162%	0.02137%			
			Acrylamide, 2-acrylamido-2-methylpropanesulfonic acid, sodium salt polymer	38193-60-1	0.15622%	0.01578%			
			Polyethylene glycol monohexyl ether	31726-34-8	0.09924%	0.01002%			
			Diammonium peroxidisulphate	7727-54-0	0.01738%	0.00176%			
			Polymer of 2-acrylamido-2-methylpropanesulfonic acid sodium salt and methyl acrylate	136793-29-8	0.01669%	0.00169%			
			Urea	57-13-6	0.01027%	0.00104%			
			Dicoco dimethyl quaternary ammonium chloride	61789-77-3	0.00415%	0.00042%			
			Non-crystalline silica (impurity)	7631-86-9	0.00286%	0.00029%			
			Sodium sulfate	7757-82-6	0.00237%	0.00024%			
			Vinylidene chloride/methylacrylate copolymer	25038-72-6	0.00237%	0.00024%			
			Propan-2-ol	67-63-0	0.00079%	8E-05%			
			2-propanamid	Ge0eral	0.00049%	5E-05%			
			Tetrasodium ethylenediaminetetraacetate	Ge0eral	0.0003%	3E-05%			
			Dimethyl siloxanes and silicones	63148-82-9	0.0001%	1E-05%			
			Magnesium silicate hydrate (talc)	14807-96-6	0.0001%	1E-05%			
			poly(tetrafluoroethylene)	9002-84-0	0.0001%	1E-05%			
			Siloxanes and Silicones, di-Me, reaction products with silica	67762-90-7	0.0001%	1E-05%			
			Octamethylcyclotetrasiloxane	556-67-2	0.0001%	1E-05%			
			Decamethyl cyclopentasiloxane	Ge0eral	0.0001%	1E-05%			
			Dodecamethylcyclohexasiloxane	540-97-6	0.0001%	1E-05%			
			Copper(II) sulfate	7758-98-7	0.0001%	1E-05%			
			HCL 15%	Petroplex	Acid	Hydrochloric Acid	7647-01-0	0.02741%	0.00277%
			Mud Acid 7.5%	Petroplex	Acid	Hydrochloric Acid	7647-01-0	0.05293%	0.00535%
ABF	Petroplex	Acid	Ammonium Hydrogen Fluoride	1341-49-7	0.12919%	0.01305%			
Cronox AK-50	Petroplex	Corrosion Inhibitor	Ammonium Fluoride	12125-01-8	0.0068%	0.00069%			
			Oxyalkylated Alkylphenol	Proprietary	0.00049%	5E-05%			
			Heavy Aromatic Naptha	64742-94-5	0.00049%	5E-05%			
			Isopropanol	67-63-0	0.00049%	5E-05%			
			Fatty Acids	Proprietary	0.00016%	2E-05%			
			Complex Alkylaryl Polyo-Ester	Proprietary	0.00016%	2E-05%			
			Tar Bases, Quinoline Derivatives, Benzyl Chloride-Quaternized	72480-70-7	0.00016%	2E-05%			
			Formaldehyde	50-00-0	0.00016%	2E-05%			
			Acetylenic Alcohol	Proprietary	8E-05%	1E-05%			
			Propargyl Alcohol	107-19-7	8E-05%	1E-05%			
			Napthalene	91-20-3	8E-05%	1E-05%			
			Citric Acid	77-92-9	0.04573%	0.00462%			
			EC9546A	Petroplex	Surfactant	Heavy Aromatic Naptha	64742-94-5	0.00016%	2E-05%
						Isopropanol	67-63-0	0.00095%	0.0001%
						Polyethylene Glycol	25322-68-3	8E-05%	1E-05%
Napthalene	91-20-3	2E-05%				0%			
Phosphoric Acid Ester	Proprietary	0.00016%				2E-05%			
Oxyalkylated Alcohol	Proprietary	0.00016%				2E-05%			
Oxyalkylated Alkyl Alcohol	Proprietary	0.00016%				2E-05%			
ClO2	Bosque	Biocide	Chlorine Dioxide	10049-04-4	0.00188%	0.00019%			
† Proprietary Technology									

20. I, as Operator, hereby certify that the information shown on this disclosure form is true and complete to the best of my knowledge and belief.

Signature: Signed Electronically Printed Name: Skipper Herring

Manager Stimulation

Date: 11/20/2014 Title: Operations

E-mail Address: sherring@cimarex.com

NMOCD does not require the reporting of information beyond MSDS data as described in 29 CFR 1910.1200. NMOCD does not require the reporting or disclosure of proprietary, trade secret or confidential business information.